

目录 Catalog

01	技术参数 technical parameter
02	各类参考数据 Various reference data
04	对夹软靠背手柄蝶阀 Butterfly valve with soft backrest handle
05	对夹软靠背蜗轮蝶阀 Butterfly Valve with Soft Backrest Worm Wheel
06	对夹软靠背电/气动蝶阀 Electric/Pneumatic Butterfly Valve with Soft Back-to-Back Clamp
08	分体式软靠背蝶阀 Split Soft Back Butterfly Valve
09-10	对夹软靠背蝶阀结构及连接尺寸 Structure and Connection Dimension of Butterfly Valve with Soft Backrest
12	对夹硬靠背手柄蝶阀 Butterfly valve with hard backrest handle
13	对夹硬靠背蜗轮蝶阀 Butterfly Valve with Hard Back-to-Back Worm Wheel
14	对夹硬靠背电/气动蝶阀 Electric/Pneumatic Butterfly Valve with Hard Back-to-Back Clamp
15-16	对夹凸耳蝶阀 Butterfly valve with convex lugs
17-18	不锈钢硬靠背蝶阀 Stainless steel hard back butterfly valve
19-20	对夹硬靠背蝶阀结构及连接尺寸 Structure and Connection Dimension of Butterfly Valve with Hard Backrest
21-22	法兰软靠背蝶阀 Flange Soft Back Butterfly Valve
23-24	法兰硫化蝶阀 Flange vulcanized butterfly valve
25-26	法兰式U型蝶阀 Flanged U-type butterfly valve

1	产品分类 Product classification	名称 Name 代号 Code	蝶阀 Butterfly valve B					
2	连接方式 Connection mode	名称 Name 代号 Code	对夹 Pair clip W	凸耳 Lug L	法兰 Flange F	U法兰 Flange U		
3	驱动方式 Driving mode	名称 Name 代号 Code	光杆 Polished rod B	手柄 Handle H	蜗轮 Worm gear W	电动 Electric E	气动 Pneumatic P	液动 Hydraulic motion L
4	公称压力 Nominal pressure	名称 Name 代号 Code	PN6 6	PN10 10	PN16 16	150LB 150	10K 10K	
5	公称通径 Nominal diameter	名称 Name 代号 Code	50 50	100 100	200 200	...	1000 1K0	1500 1K5
6	阀体/蝶板 Valve body/butterfly plate	名称 Name 代号 Code	球墨铸铁 Ductile iron Q	铸钢 Cast steel C	304 P	304L PL	316 R	316L RL
7		名称 Name 代号 Code	2507 5A	1.4529 X1	铝青铜 Aluminum bronze T	EPDM E		
8	阀杆 Stem	名称 Name 代号 Code	2Cr13 2	304 P	316 R	2507 5A	K400 K4	K500 K5
9	阀座 Valve seat	名称 Name 代号 Code	EPDM M	EPDMS MS	NBR N	VITON V	PTFE P	PTFEM PM

● 非常适用 Very suit ● 适用 Suitbale ● 有限适用 Limited suit ● 不适用 Not suit

密封材料 Sealing material		适用温度 Applicable temperature	介质类型及适用程度 Medium Type and Applicability													突出特点 Characteristic	价格 Price
			淡水 Freshwater	海水 Seawater	盐类 Salt	强碱 Strong base	弱碱 Weak alkali	强酸 Strong acid	弱酸 Weak acid	天然气 Natural gas	醇类 Alcohols	空气 Atmosphere	蒸汽 Steam	油类 Oils	食品 Food		
阀座 Valve seat	丁腈NBR	-10~93℃													耐油 Oil resistance	低 low	
	三元乙丙EPDM	-50~135℃													耐老化 Aging resistance	较低 Lower	
	天然橡胶NR	-20~80℃													耐弹性 Resilience	低 low	
	氯丁橡胶CR	-40~82℃													耐光、耐老化 Light and Aging Resistance	低 low	
	硅橡胶SI	-65~220℃													耐高温 High temperature resistance	高 high	
	氟橡胶FPM	-23~200℃													耐高温、耐腐蚀 High temperature and corrosion resistance	昂贵 expensive	
	聚四氟乙烯PTFE	-210~180℃													耐强腐蚀性、耐热 Strong corrosion resistance and heat resistance	昂贵 expensive	
蝶板 Disc	球铁电镀	-30~350℃													耐热 Heat-resisting	低 low	
	球铁尼龙覆层	-30~95℃													抗蚀、耐磨、减摩 Corrosion Resistance, Wear Resistance and Friction Reduction	较低 Lower	
	球铁氮化聚脲覆层	-30~130℃													耐强腐蚀性、耐磨 Strong corrosion resistance and wear resistance	较低 Lower	
	球铁四氮覆层	-30~160℃													耐强腐蚀性、耐热 Strong corrosion resistance and heat resistance	昂贵 expensive	
	铝青铜	-273~232℃													耐热、耐腐蚀 Heat and corrosion resistance	高 high	
	不锈钢	-268~538℃													耐高温、耐腐蚀 High temperature and corrosion resistance	高 high	
	碳钢电镀	-268~538℃													耐高温 High temperature resistance	较低 Lower	
	双相不锈钢2507	-29~425℃													耐高温、耐腐蚀 High temperature and corrosion resistance	昂贵 expensive	
	脱碳脱硝合金钢1.4529	-268~538℃													耐高温、耐腐蚀 High temperature and corrosion resistance	昂贵 expensive	

1. 本表仅供参考，客户订货时请提供介质、名称、浓度、温度、压力，我们将能作出最佳选择。 This sheet is for reference, customer must tell names, thickness, temperature, pressure in order. So that we can give you the best advice.
2. 表中：▲ 流速大于1.5M/S不适用Sheet: Current velocity over 1.5M/S not suit 氢氧化钾不适用 Potassium hydroxide not suit

各类参考数据

Various reference data

DAGO

通径 DN	扭矩 N.M		重量 (KG)			手柄重量(KG) Handel	蜗轮型号	蜗轮重量(KG)		气动执行器 Pneumatic		电动执行器 Electric	
	PN10	PN16	A型 Wafer	LT Wafer	法兰式 Flange	铝手柄 Aluminum	Gear Type	铁蜗轮 Iron	铝蜗轮 Aluminum	型号 Type	重量 KG	型号 Type	重量 KG
40	10	11	2.6	/	/	1.05	ZNZ-A24	4.2	1.2	AT 52	1.5	TOP-105	2.5
50	11	12	2.6	3.6	4.5	1.05	ZNZ-A24	4.2	1.2	AT 52	1.5	TOP-105	2.5
65	18	20	3.4	4.8	7.3	1.05	ZNZ-A24	4.2	1.2	AT 63	1.5	TOP-105	2.5
80	25	30	4	5.3	9	1.05	ZNZ-A24	4.2	1.2	AT 75	1.5	TOP-105	2.5
100	43	53	4.5	8	11.2	1.17	ZNZ-A24	4.2	1.2	AT 83	206	TOP-110	4.3
125	67	77	7	9.5	15.5	1.3	ZNZ-A24	4.2	1.8	AT 92	6.0	TOP-116	5.5
150	110	121	8	12.5	18.5	1.3	ZNZ-A24	4.2	1.8	AT 105	6.0	TOP-120	7.4
200	207	215	14	19	27	/	ZNZ-A30	10.8	4.6	AT 125	9.2	TOP-140	7.4
250	318	330	21.2	29	44	/	ZNZ-A30	10.8	4.6	AT 140	12.1	TOP-140	7.4
300	491	490	30.5	50	55	/	ZNZ-A50	14.2	7	AT 160	16.7	TOP-160	8
350	733	780	44	65	80	/	ZNZ-A50	14.2	/	AT 190	27.1	TOP-1100	12
400	1020	1270	62	102	95	/	ZNZ-B13	25	/	AT 210	32.2	TOP-1200	12
450	1350	1500	95	115	130	/	ZNZ-B13	25	/	AT 210	32.2	Z 20	55
500	1780	1960	230	145	159	/	ZNZ-B13	25	/	AT 240	45.5	Z 30	58
600	2300	2500	270	240	220	/	ZNZ-B13	25	/	AT 270	69.3	Z 45	115
700	4700	4920	280	/	330	/	ZNZ-B26	76	/	AW 25	49	Z 60	123
800	7000	7840	370	/	528	/	ZNZ-B26	76	/	AW 28	73	Z 90	140
900	9000	9760	710	/	595	/	ZNZ-B50	88	/	AW 35	148	Z 90	140
1000	12000	13600	860	/	680	/	ZNZ-B50	88	/	AW 35	148	Z 120	145

选配执行器时，扭矩应加20%的安全系数 When equipped with actuators, Torque increase 20% safety coefficient

对夹软靠背蝶阀
Butterfly valve with soft backrest

DAGO



对夹软靠背手柄蝶阀-BWH系列

Butterfly Valve with Soft Backrest Handle-BWH Series

DAGO



BWH1050QE2MS



BWH1665QQ2MS



BWH15080QQ2MS



BWH10K125QQ2MS

分体式软靠背蝶阀
Split Soft Back Butterfly Valve

DAGO



分体式软靠背蝶阀-BWPM系列

Split Soft Back Butterfly Valve-BWPM Series

DAGO



BWH10100QRL2PM



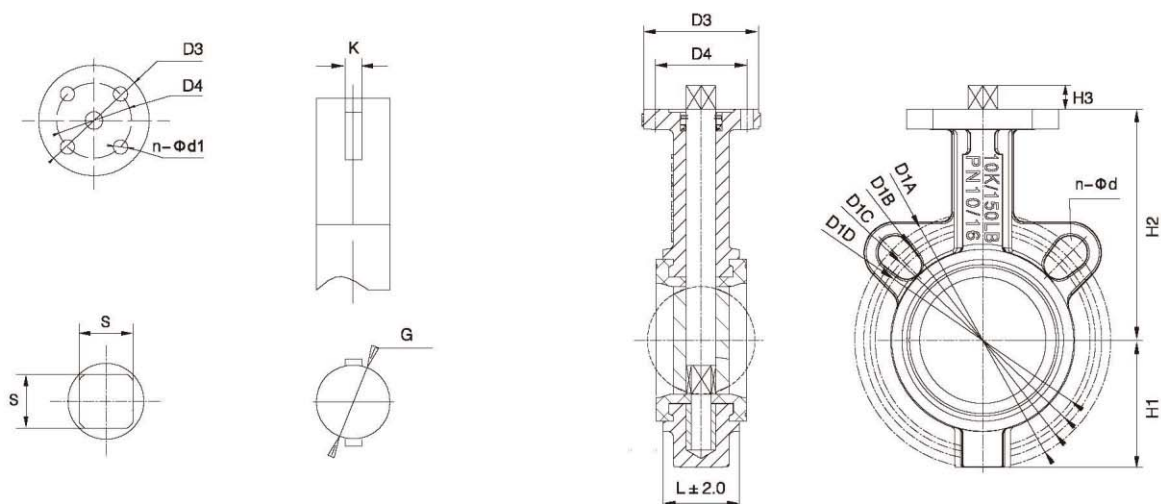
BWW10150QPE2PM



BWE10100QPE2PM



BWP10150QPE2PM

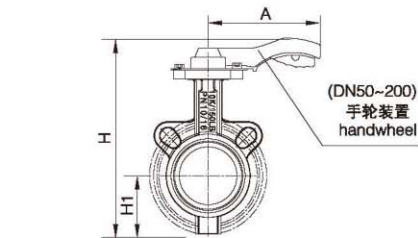


PN10&PN16&150LB&10K

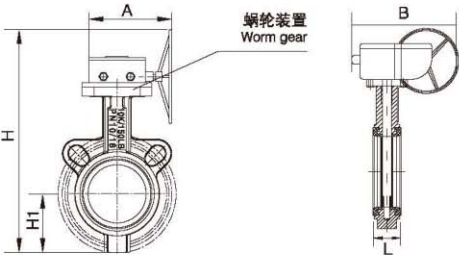
NPS	DN	L	150LB D1A	PN16 D1B	PN10 D1C	10 K D1D	150 LB n-Φd	PN16 n-Φd	PN10 n-Φd	10 K n-Φd	H1	H2	H3	S*S/G	K	D3	D4	n-Φd1
1.1/2	40	42	98.4	110	110	105	4-19	4-18	4-18	4-16	67	133	14	9*9/12.6	3	65/90	50/70	4-7/10
2	50	42	120.7	125	125	120	4-19	4-18	4-18	4-16	67	133	14	9*9/12.6	3	65/90	50/70	4-7/10
2.1/2	65	45	139.7	145	145	140	4-19	8-18	8-18	4-16	75	137	14	9*9/12.6	3	65/90	50/70	4-7/10
3	80	45	152.4	160	160	150	4-19	8-18	8-18	8-16	82	159	14	9*9/12.6	3	65/90	50/70	4-7/10
4	100	52	190.5	180	180	175	8-19	8-18	8-18	8-16	105	171	18	11*11/15.7	5	90	70	4-10
5	125	54	215.9	210	210	210	8-22	8-18	8-18	8-20	118	189	22	14*14/18.9	5	90	70	4-10
6	150	54	241.3	240	240	240	8-22	8-22	8-22	8-20	135	209	22	14*14/18.9	5	90	70	4-10
8	200	59	298.5	295	295	290	8-22	12-22	8-22	12-20	165	258	24	17*17/22	5	125	102	4-12
10	250	66	362	355	350	355	12-26	12-26	12-22	12-22	200	299	30	22*22/28.4	8	125	102	4-12
12	300	77	413.8	410	400	400	12-26	12-26	12-22	16-22	230	337	30	22*22/31.6	8	150	125	4-14
14	350	77	476.3	470	460	445	12-29	16-26	16-22	16-22	274	350	45	22*22/31.6	8	150	125	4-14
16	400	86/102	539.8	525	515	510	12-29	16-30	16-26	16-24	304	405	50	27*27/33.2	10	175	140	4-18
18	450	105/114	577.9	585	565	565	16-32	20-30	20-26	20-24	335	409	50	27*27/38	10	175	140	4-22
20	500	130	635	650	620	620	20-32	20-33	20-26	20-24	368	460	60	36*36/41.1	10	210	165	4-22
24	600	151	749.3	770	725	730	20-33	20-36	20-30	24-30	428	516	70	36*36/50.6	16	210	165	4-22
28	700	163	863.6	840	840	840	28-35	24-36	24-30	24-30	520	648	80	46*46/62	18	300	254	8-18
32	800	190	977.9	950	950	850	28-39	24-39	24-33	28-30	580	668	80	46*46/62	18	300	254	8-18
36	900	203	1085.8	1050	1050	1050	32-39	28-39	28-33	28-30	656	720	118	55*55/75	20	300	254	8-18
40	1000	216	1200.2	1170	1160	1160	36-39	28-42	28-36	28-36	722	800	148	55*55/85	22	300	254	8-18

对夹软靠背蝶阀结构及连接尺寸

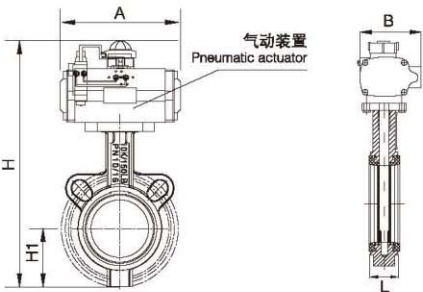
Structure and Connection Dimension of Butterfly Valve with Soft Backrest



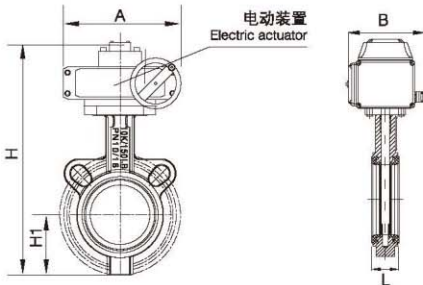
DN	40	50	65	80	100	125	150	200
H1	67	67	75	82	105	118	135	165
H	177	265	287	302	350	372	398	420
A	115	170	170	170	215	215	215	355



DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
H1	67	67	75	82	105	118	135	165	200	230	274	304	335	368	428	520	580	656	722
H	260	308	330	345	383	405	431	584	651	712	804	920	983	1048	1199	1470	1603	1741	1887
A	208	208	208	208	208	208	208	299	299	294	294	361	361	361	417	485	485	534	534
B	174	174	174	174	174	174	174	292	292	308	308	426	426	426	479	578	578	650	650
L	42	42	45	45	52	54	54	59	66	77	77	86	105	130	151	163	190	203	216



DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
H1	67	67	75	82	105	118	135	165	200	230	274	304	335	368	428	520	580	656	722
H	241	289	325	360	398	452	478	570	657	746	867	935	1013	1230	1429	1668	1847	1976	2122
A	130	130	140	140	186	254	254	296	384	384	501	533	589	589	638	1330	1380	1860	1860
B	59	59	70	70	91	120	120	137	173	173	208	224	274	274	322	320	360	440	440
L	42	42	45	45	52	54	54	59	66	77	77	86	105	130	151	163	190	203	216



DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
H1	67	67	75	82	105	118	135	165	200	230	274	304	335	368	428	520	580	656	722
H	284	332	354	400	438	501	521	593	660	747	839	879	1288	1353	1504	1775	1908	2104	2250
A	165	165	212	212	212	259	259	259	259	259	284	284	644	644	644	803	803	887	1015
B	140	140	154	154	154	186	186	186	186	186	193	193	495	495	495	671	671	693	693
L	42	42	45	45	52	54	54	59	66	77	77	86	105	130	151	163	190	203	216

对夹硬靠背蝶阀

Butterfly valve with hard backrest

DAGO



对夹硬靠背手柄蝶阀-BWHM系列

Butterfly Valves with Hard Backrest Handles – BWHM Series

DAGO



BWH15065QP2M



BWH1680QP2M



BWH1080P2P



BWH10100P2P



BWW1665QP2M



BWW16100QP2M



BWW10100P2P



BWW10200P2P

对夹硬靠背电/气动蝶阀-BWE/PM系列

Electric/Pneumatic Butterfly Valves with Hard Back-to-Back Clamp-BWE/PM Series

DAGO



BWE10100QRL2P



BWE10100QRL2P



BWP10100QRL2P



BWP10200QRL2P

对夹凸耳蝶阀

Butterfly valve with convex lugs

DAGO



对夹凸耳蝶阀-BLP系列

Butterfly Valve with Butterfly Clamp Ear-BLP Series

DAGO



BLH1680QP2P



BLW1680QP2P



BLP1680QP2P



BLE1680QP2P

DAGO



不锈钢硬靠背蝶阀-BWPP系列

Stainless Steel Hard Backrest Butterfly Valve-BWPP Series

DAGO



BWH150100PP2M



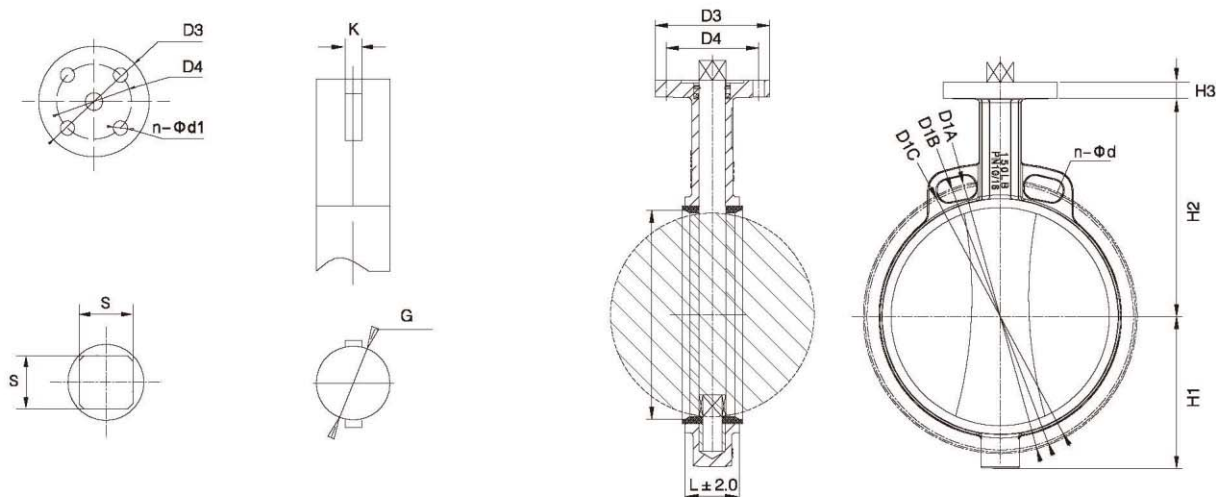
BWW150100PP2M



BWP16100PP2M



BWE16100PP2M

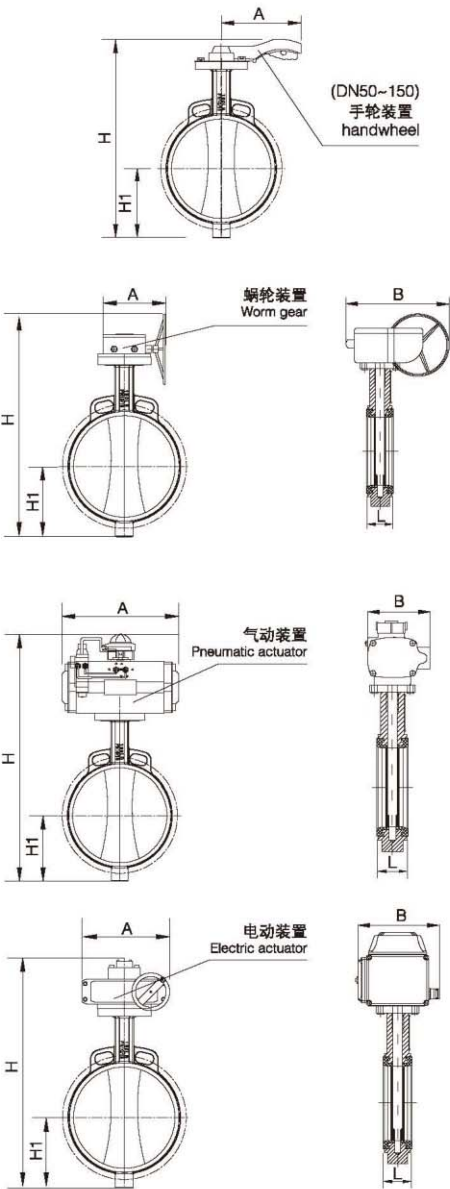


PN10&PN16&150LB

NPS	DN	L	150LB	PN16	PN10	150LB	PN16	PN10	H1	H2	H3	SxS/G	K	D3	D4	n-Φd1
			D1A	D1B	D1C	n-Φd	n-Φd	n-Φd								
1.1/2	40	42	98.4	110	110	4-19	4-18	4-18	67	133	14	9*9/12.6	3	65	50	4-7
2	50	42	120.7	125	125	4-19	4-18	4-18	67	133	14	9*9/12.6	3	65	50	4-7
2.1/2	65	45	139.7	145	145	4-19	8-18	8-18	75	137	14	9*9/12.6	3	65	50	4-7
3	80	45	152.4	160	160	4-19	8-18	8-18	82	159	14	9*9/12.6	3	65	50	4-7
4	100	52	190.5	180	180	8-19	8-18	8-18	105	171	18	11*11/15.7	5	90	70	4-10
5	125	54	215.9	210	210	8-22	8-18	8-18	118	189	22	14*14/18.9	5	90	70	4-10
6	150	54	241.3	240	240	8-22	8-22	8-22	135	209	22	14*14/18.9	5	90	70	4-10
8	200	59	298.5	295	295	8-22	12-22	8-22	165	258	24	17*17/22	5	125	102	4-12
10	250	66	362	355	350	12-26	12-26	12-22	200	299	30	22*22/28.4	8	125	102	4-12
12	300	77	413.8	410	400	12-26	12-26	12-22	230	337	30	22*22/31.6	8	150	125	4-14
14	350	77	476.3	470	460	12-29	16-26	16-22	274	350	45	22*22/31.6	8	150	125	4-14
16	400	86/102	539.8	525	515	12-29	16-30	16-26	304	405	50	27*27/33.2	10	175	140	4-18
18	450	105/114	577.9	585	565	16-32	20-30	20-26	335	409	50	27*27/38	10	175	140	4-22
20	500	130	635	650	620	20-32	20-33	20-26	368	460	60	36*36/41.1	10	210	165	4-22
24	600	151	749.3	770	725	20-33	20-36	20-30	428	516	70	36*36/50.6	16	210	165	4-22
28	700	163	863.6	840	840	28-35	24-36	24-30	520	648	80	46*46/62	18	300	254	8-18
32	800	190	977.9	950	950	28-39	24-39	24-33	580	668	80	46*46/62	18	300	254	8-18
36	900	203	1085.8	1050	1050	32-39	28-39	28-33	656	720	118	55*55/75	20	300	254	8-18
40	1000	216	1200.2	1170	1160	36-39	28-42	28-36	722	800	148	55*55/85	22	300	254	8-18

对夹硬靠背蝶阀结构及连接尺寸

Structure and Connection Dimension of Butterfly Valve with Hard Backrest



DN	40	50	65	50	80	100	125	150
H1	67	67	75	82	105	118	135	165
H	263	263	282	265	302	360	382	410
A	170	170	170	170	170	215	215	215

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
H1	67	67	75	82	105	118	135	165	200	230	274	304	335	368	428	520	580	656	722
H	306	306	325	345	393	415	443	613	676	747	829	859	1020	1120	1301	1470	1603	1741	1887
A	208	208	208	208	208	208	208	299	299	294	294	361	361	361	417	485	485	534	534
B	174	174	174	174	174	174	174	292	292	308	308	426	426	426	479	578	578	650	650
L	42	42	45	45	52	54	54	59	66	77	77	86	105	130	151	163	190	203	216

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
H1	67	67	75	82	105	118	135	165	200	230	274	304	335	368	428	520	580	656	722
H	287	287	320	360	408	462	490	599	682	781	892	994	1050	1302	1531	1668	1847	1976	2122
A	130	130	140	140	186	254	254	296	384	384	501	533	589	589	638	1330	1380	1860	1860
B	59	59	70	70	91	120	120	137	173	173	208	224	274	274	322	320	360	440	440
L	42	42	45	45	52	54	54	59	66	77	77	86	105	130	151	163	190	203	216

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
H1	67	67	75	82	105	118	135	165	200	230	274	304	335	368	428	520	580	656	722
H	330	330	349	400	448	511	539	628	691	782	864	938	1325	1425	1606	1775	1908	2104	2250
A	165	165	212	212	212	259	259	259	259	284	284	644	644	644	644	803	803	887	1015
B	140	140	154	154	154	186	186	186	186	186	193	193	495	495	495	671	671	693	693
L	42	42	45	45	52	55	55	60	66	76	76	86	105	130	151	163	188	203	216

法兰软靠背蝶阀

Flange Soft Back Butterfly Valve

DAGO



法兰软靠背蝶阀-BFMS系列

Flange Soft Back Butterfly Valve-BFMS Series

DAGO



BFH10100Q5A2MS



BFW10100Q5A2MS



BFP16100QX12MS



BFE16100QX12MS



BFH16125QP2M



BFW16125QP2M



BFP16125QT2M

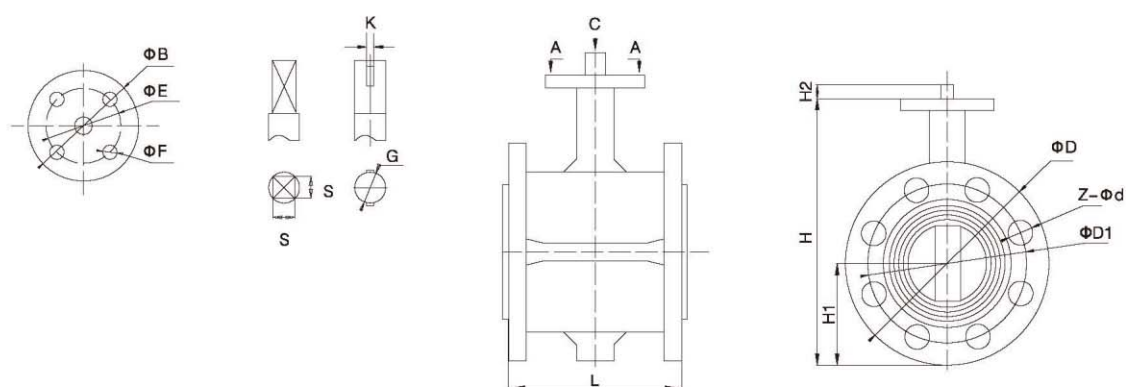


BFE16125QT2M

法兰硫化蝶阀-BFM系列

Flange vulcanized butterfly valve-BFM series

DAGO



外形及连接尺寸 Shape and Connection Size

单位Unit: mm

公称通径 DN	L	D1	D	Z-Φd	H	H1	S*S/G	K	B	E	4-ΦF	H2	扭矩 N.m
		0.6/1.0/1.6	0.6/1.0/1.6	0.6/1.0/1.6						#			
50	108	110/125/125	140/165/165	4-14/4-18/4-18	200	80	9*9/12.6	1-3	65	50	4-7.5	27	22
65	112	130/145/145	160/185/185	4-14/4-18/4-18	219	89	9*9/12.6	1-3	65	50	4-7.5	27	28
80	114	150/160/160	190/200/200	4-18/8-18/8-18	240	95	9*9/12.6	1-3	65	50	4-7.5	27	44
100	127	170/180/180	210/220/220	4-18/8-18/8-18	270	114	11*11/15.7	1-5	90	70	4-10	27	69
125	140	200/210/210	240/250/250	8-18/8-18/8-18	295	125	14*14/18.9	1-5	90	70	4-10	27	114
150	140	225/240/240	265/285/285	8-18/8-22/8-22	330	142	14*14/18.9	1-5	90	70	4-10	27	155
200	152	280/295/295	320/340/340	8-18/8-22/12-22	375	170	17*17/22	1-5	125	102	4-12	45	282
250	165	335/350/355	375/395/405	12-18/12-22/12-26	433	198	22*22/28.4	1-8	125	102	4-12	45	434
300	178	395/400/410	440/445/460	12-22/12-22/12-26	503	223	22*22/31.6	1-8	150	102/125	4-12/14	50	670
350	190	445/460/470	490/505/520	12-22/16-22/16-26	590	260	22*22/31.6	1-8	150	102/125	4-12/14	50	1000
400	216	495/515/525	540/565/580	16-22/16-26/16-30	660	290	27*27/33.2	1-10	197	125/140	4-14/18	64	1664
450	222	550/565/585	595/615/640	16-22/20-26/20-30	722	320	27*27/38	1-12	197	140/165	4-18/22	64	1890
500	229	600/620/650	645/670/715	20-22/20-26/20-33	900	400	41/36	1-12	197	165	4-22	64	2440
600	267	705/725/770	755/780/840	20-26/20-30/20-36	1027	457	36*36/41.1	2-16	210/276	165	4-22	70	3350
700	292	810/840/840	860/895/910	24-26/24-30/24-36	1072	490	36*36/50.6	2-18	300	254	8-18	82	5600
800	318	920/950/950	975/1015/1025	24-30/24-33/24-39	1155	525	46*46/62	2-20	300	254	8-18	82	7300
900	330	1020/1050/1050	1075/1115/1125	24-30/28-33/28-39	1260	570	55*55/75	2-22	300	254	8-18	118	10000
1000	410	1120/1160/1170	1175/1230/1255	28-30/28-36/28-42	1390	645	55*55/86	2-25	300	254	8-18	148	13000

法兰式U型蝶阀

Flanged U-type butterfly valve

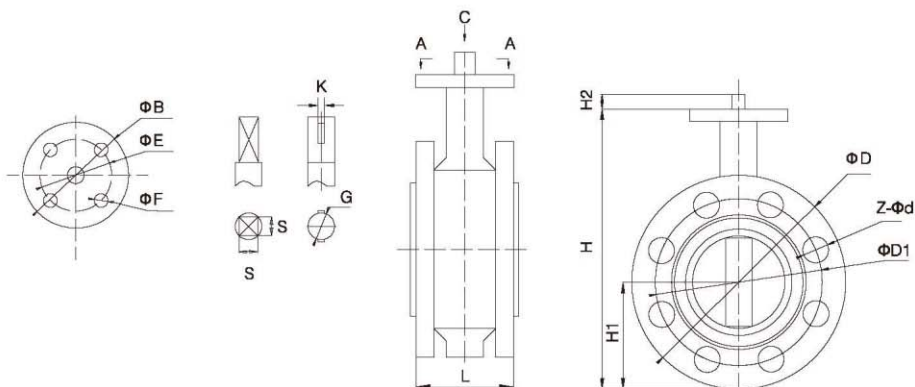
DAGO



法兰式U型蝶阀-BUMS系列

Flange Type U Butterfly Valve-BUMS Series

DAGO



外形及连接尺寸 Shape and Connection Size

单位Unit: mm

公称通径 DN	L	D1	D	Z-Φd	H	H1	S*S/G	K	B	E	4-ΦF	H2	扭矩 N.m
		0.6/1.0/1.6	0.6/1.0/1.6	0.6/1.0/1.6						#			
50	42	110/125/125	140/165/165	4-14/4-18/4-18	205	82	9*9/12.6	1-3	75	50	4-7.5	27	22
65	45	130/145/145	160/185/185	4-14/4-18/4-18	230	92	9*9/12.6	1-3	75	50	4-7.5	27	28
80	45	150/160/160	190/200/200	4-18/8-18/8-18	245	100	9*9/12.6	1-3	75	50	4-7.5	27	44
100	52	170/180/180	210/220/220	4-18/8-18/8-18	270	107	11*11/15.7	1-5	90	70	4-10	27	69
125	55	200/210/210	240/250/250	8-18/8-18/8-18	305	123	14*14/18.9	1-5	90	70	4-10	27	114
150	55	225/240/240	265/285/285	8-18/8-22/8-22	374	144	14*14/18.9	1-5	90	70	4-10	27	155
200	60	280/295/295	320/340/340	8-18/8-22/12-22	436	176	17*17/22	1-5	120	102	4-12	45	282
250	66	335/350/355	375/395/405	12-18/12-22/12-26	500	200	22*22/28.4	1-8	120	102	4-12	45	434
300	76	395/400/410	440/445/460	12-22/12-22/12-26	583	233	22*22/31.6	1-8	150	102/125	4-12/14	50	670
350	76	445/460/470	490/505/520	12-22/16-22/16-26	640	270	22*22/31.6	1-8	150	102/125	4-12/14	50	1000
400	86/102	495/515/525	540/565/580	16-22/16-26/16-30	700	290	27*27/33.2	1-10	197	125/140	4-14/18	64	1664
450	105/114	550/565/585	595/615/640	16-22/20-26/20-30	750	320	27*27/38	1-12	197	140/165	4-18/22	64	1890
500	130	600/620/650	645/670/715	20-22/20-26/20-33	854	364	41/36	1-12	197	165	4-22	64	2440
600	151	705/725/770	755/780/840	20-26/20-30/20-36	1030	450	36*36/41.1	2-16	210/276	165	4-22	70	3350
700	163	810/840/840	860/895/910	24-26/24-30/24-36	1160	520	36*36/50.6	2-18	300	254	8-18	82	5600
800	188	920/950/950	975/1015/1025	24-30/24-33/24-39	1265	565	46*46/62	2-20	300	254	8-18	82	7300
900	203	1020/1050/1050	1075/1115/1125	24-30/28-33/28-39	1380	620	55*55/75	2-22	300	254	8-18	118	10000
1000	216	1120/1160/1170	1175/1230/1255	28-30/28-36/28-42	1525	705	55*55/86	2-25	300	254	8-18	148	13000